

2/20/96 12:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

04-356802
INDEXED

P 50423

A 50225B

DISTRICT 4th

DATE 1/29/96

DATE SYSTEM APPROVED 2/22/96

INSPECTOR BB

Mario Mannarelli & Sons

IS PERMITTED TO INSTALL X ALTER

ADDRESS 2929 Summit Circle, Ellicott City, Maryland 21043 PHONE 461-2278

SUBDIVISION Vineyards at Cattail Creek LOT 2 ROAD 3589 Willow Birch Drive

PROPERTY OWNER Paige Fowler Jr.

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 145 feet down the left lot line and 90 feet off this same lot line as seen when facing the lot from Willow Birch Drive.

Run trenches on contour towards the right-rear of the lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 10/31/95 DKS

PLANS APPROVED BY Donna K. Soe DATE 7/20/95

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

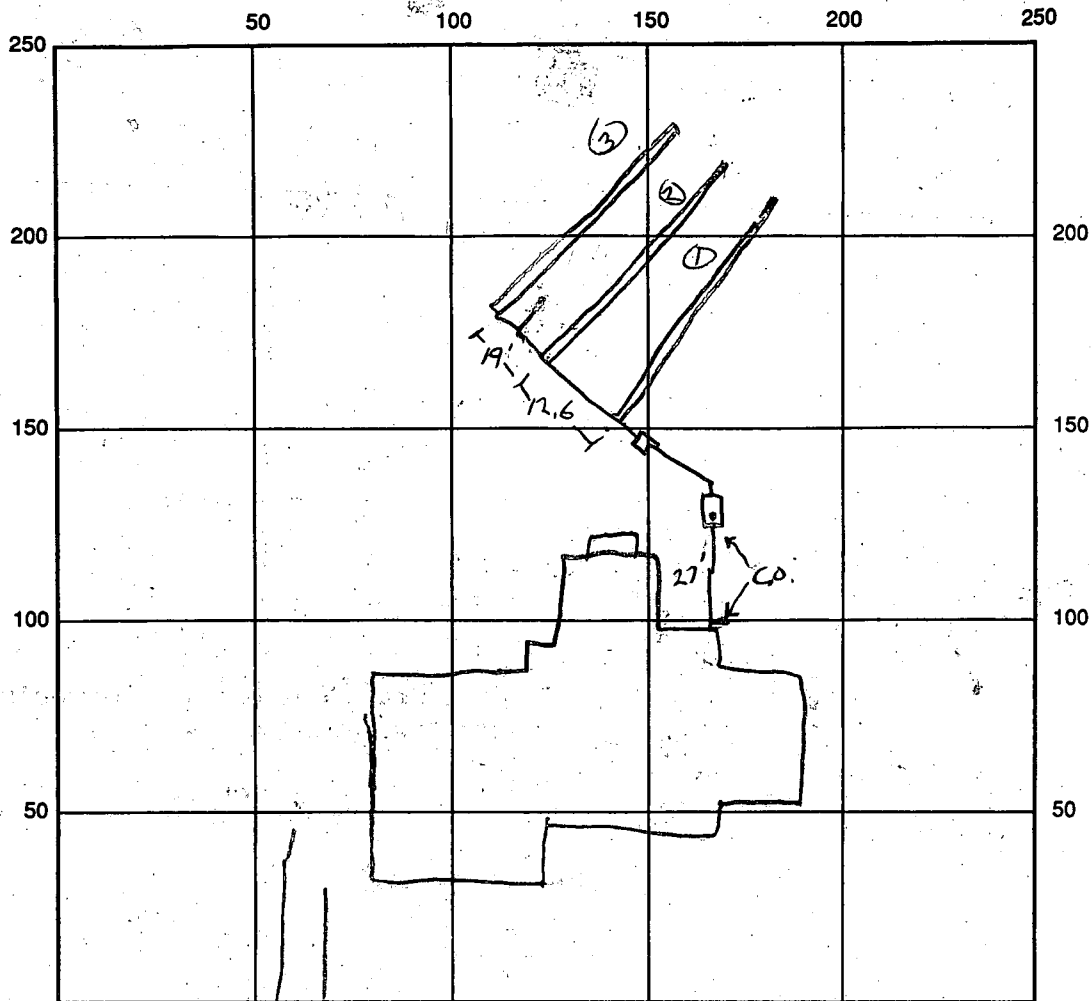
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A 50225B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
WILLOW BIRCH DRIVE

SEPTIC TANK LEVEL OK 12 50 GAL CLEANOUTS LOW TANK, 1 AT WALL

DISTRIBUTION BOX LEVEL OK COVER ON - UNABLE TO CK BACULE

DRAIN FIELD/TITLE DEPTH 6.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH NA FT. TOTAL LENGTH 112/13 90/90/90 FT. 270'

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 810 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/22/96 IN FILTERS USED - NO STONE. OK TO COVER

ALL WORK

DATE SYSTEM APPROVED

2/22/96

INSPECTOR

[Signature]

APPLICATION

PERCOLATION TESTING

A 50005 B

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER PAIGE FOWLER, JR.

ADDRESS C/O Land Design + Development

12805 Hickory Ridge Rd PHONE 740-2100

AGENT OR PROSPECTIVE BUYER Dark Reich

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. 2

ROAD AND DESCRIPTION Route 97 (3589 Willow Birch Drive)

TAX MAP 21 PARCEL # 2,132,220 + 211

SIZE OF LOT 1 + acres TYPE BLDG. SFD - 4 Brms

BLDG. PERMIT SIGNED

AND RETURNED 8-29-95

Serial # 61363
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Myal A. Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

No 17
A50225B

COUNTY #
LOT 3
SOIL PROFILE
HOLE ①

0' 0'-4 1/2' clay
4 1/2'
↓
LOAM
↓
DRY 11 1/2'

HOLE ②

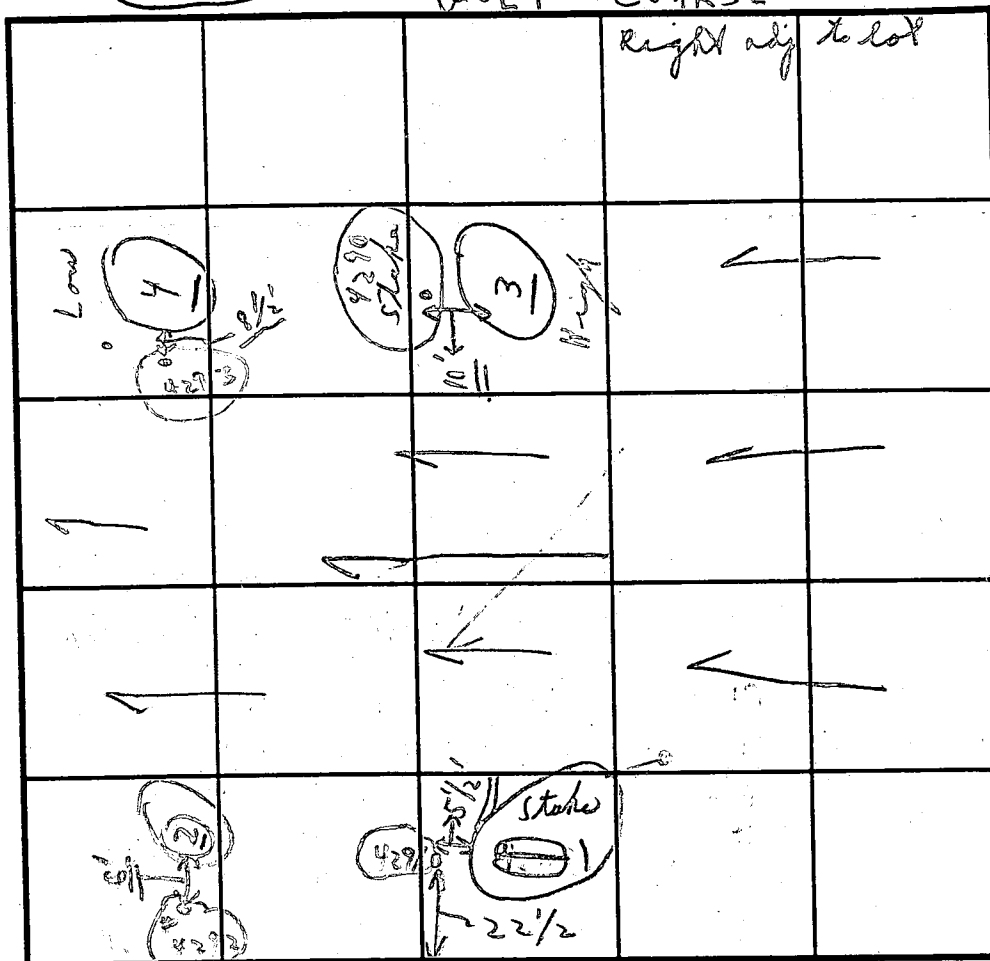
0'-4' clay
4' to
↓
LOAM
↓
DRY 10'-3"

HOLE ③

0'-5' CLAY
5'
↓
LOAM
↓
11'-8"
DRY

Now #2 + ③

GOLF COURSE



SOIL PROFILE

0' 0'-5'-3" clay
5'-3"
LOAM
↓
DRY 11'-3"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

← Wire Fence

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/7/94	①	4 1/2'	10:43	10:45	10:45	10:47	2 1/2'
	#4291	11 1/2'		LOAM			
	②	4'	10:48	10:49	1:49	10:50	1'
	#4292	10' 3"		LOAM			
	③	5'	10:58	10:59	10:59	11:01	2'
	#4290	11' 8"		LOAM			
	④	5' 3"	10:54	10:55	10:55	10:56	1'
	#4293	11' 3"		LOAM		Below clay	

REMARKS

Tests in open areas Golf Course

TYPE OF SOIL

LOAM

TESTED BY

MS

ALSO PRESENT

Mark Keist (3) areas

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

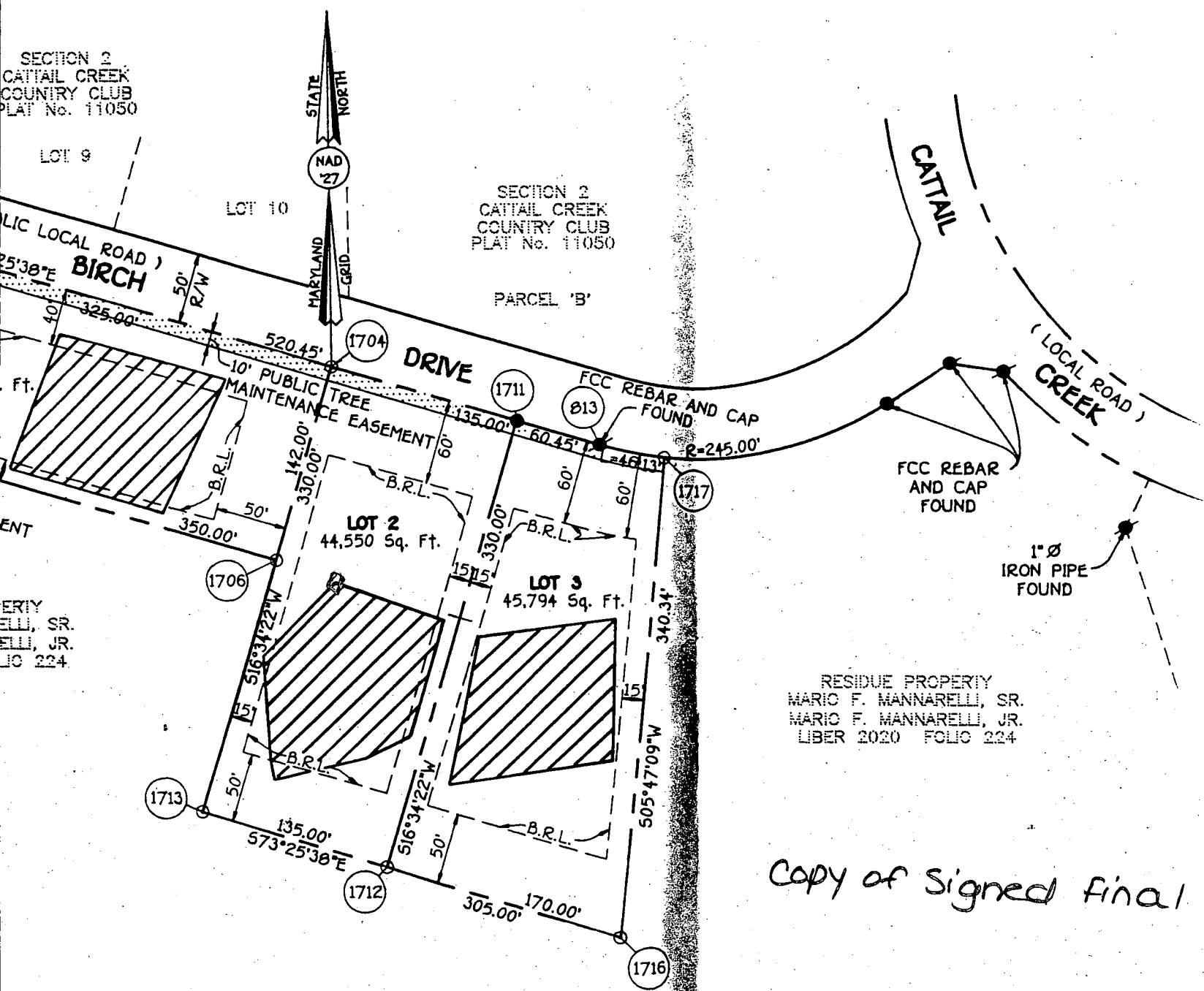
MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

2/0

3950

HEREIN RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED(S) CONVEYING SAID LOT(S), DEVELOPER SHALL EXECUTE AND DELIVER DEEDS FOR THE EASEMENTS HEREIN RESERVED TO HOWARD COUNTY, WITH A METES AND BOUNDS DESCRIPTION OF THE FOREST CONSERVATION AREA. UPON COMPLETION OF THE PUBLIC UTILITIES THEIR ACCEPTANCE BY HOWARD COUNTY, AND, IN THE CASE OF THE FOREST CONSERVATION EASEMENT(S), UPON COMPLETION OF THE DEVELOPER'S OBLIGATION UNDER THE FOREST CONSERVATION INSTALLATION AND MAINTENANCE AGREEMENT EXECUTED BY DEVELOPER AND THE COUNTY, AND THE RELEASE OF DEVELOPER'S SURETY POSTED WITH SAID AGREEMENT, THE COUNTY SHALL ACCEPT THE EASEMENT AND RECORD THE DEED(S) OF EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY.



23050

OWNER & DEVELOPER

MARIO F. MANNARELLI, SR.
MARIO F. MANNARELLI, JR.
2929 SUMMIT CIRCLE
ELLCOTT CITY, MARYLAND 21043

Copy of Signed Final

N 523050
E 707650

GENERAL NOTES: Continued

CONTROL VAL
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SEEDING NOTES

BED AREAS SHALL BE STABILIZED AS FOLLOWS:

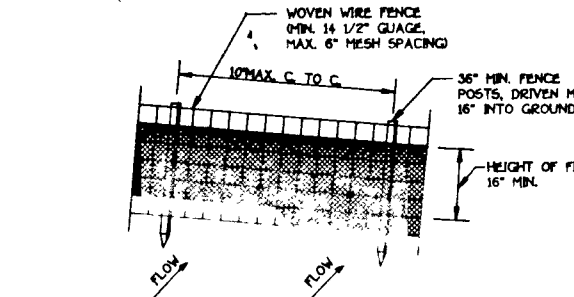
EPARATION
N UPPER THREE INCHES OF SOIL BY RAKING, DISCING
HER ACCEPTABLE MEANS BEFORE SEEDING.

MENTS:
TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./
SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER
S/1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC.
UPPER THREE INCHES OF SOIL - AT TIME OF SEEDING.
Y 400 LBS. PER ACRE 38-0-0 UREA-FORM FERTILIZER
BS/1,000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./
SQ.FT.) OF 10-20-20 FERTILIZER.

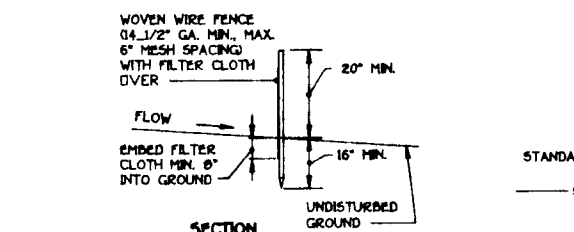
THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST
ROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3
1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE
30 MAY 1 THROUGH JULY 31, SEED WITH 60 LBS/ACRE
BS/1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND
S. PER ACRE (10.5 LBS/1,000 SQ.FT.) OF WHEEPING
GRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH
JARY 29, PROJECT SITE BY: OPTION (1) - TWO TONS PER
OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS
BLE IN THE SPRING. OPTION (2) - USE SOD; OPTION (3) -
WITH 100 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH.
TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD
HYDROSEEDED.

Y 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.)
WROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
OR MULCH IMMEDIATELY AFTER APPLICATION USING 200
ONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED
ALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE
GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

CT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS,
ACEMENTS AND RESEEDINGS.
R PUBLIC PONDS SUBSTITUTE CHEMUNG CROWN VETCH AT 15
S/ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS/ACRE AS
E SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS
XTURE IS MARCH 1 TO APRIL 30.



PERSPECTIVE VIEW



SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
FENCE TO BE FASTENED SECURELY
5TS WITH WIRE TIES OR STAPLES.
H TO BE FASTENED SECURELY TO
FENCE WITH TIES SPACED EVERY
AND MID SECTION.
ECTIONS OF FILTER CLOTH ADJOIN
THEY SHALL BE OVERLAPPED BY
ND FOLDED.
E SHALL BE PERFORMED AS NEEDED
U. REMOVED WHEN "BULGES" DEVELOP
FENCE.

SILT FENCE
NOT TO SCALE

MARIO MANNARELLI
461-2278

- SEQUENCE OF CONSTRUCTION
1. OBTAIN GRADING PERMIT.
 2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
 3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE.
 4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED
WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING
OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.)

SEEDING
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST
15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL
RYE (3.2 LBS./1,000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14.
SEED WITH 3 LBS/ACRE OF WHEEPING LOVEGRASS (07 LBS/1000SQ.FT.).
FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 29, PROTECT SITE BY
APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND
SEED AS SOON AS POSSIBLE IN THE SPRING OR USE SOD.

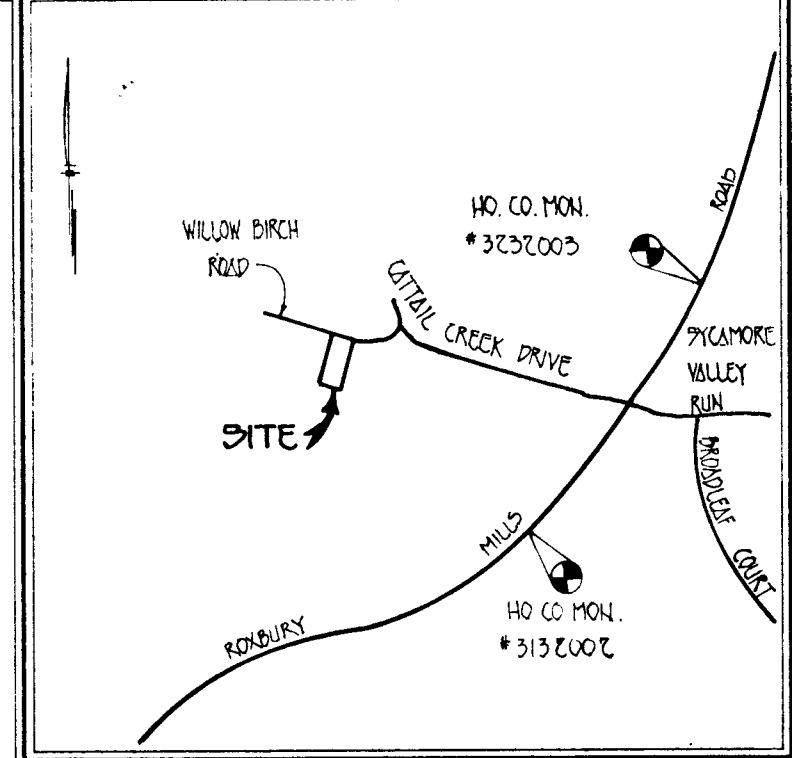
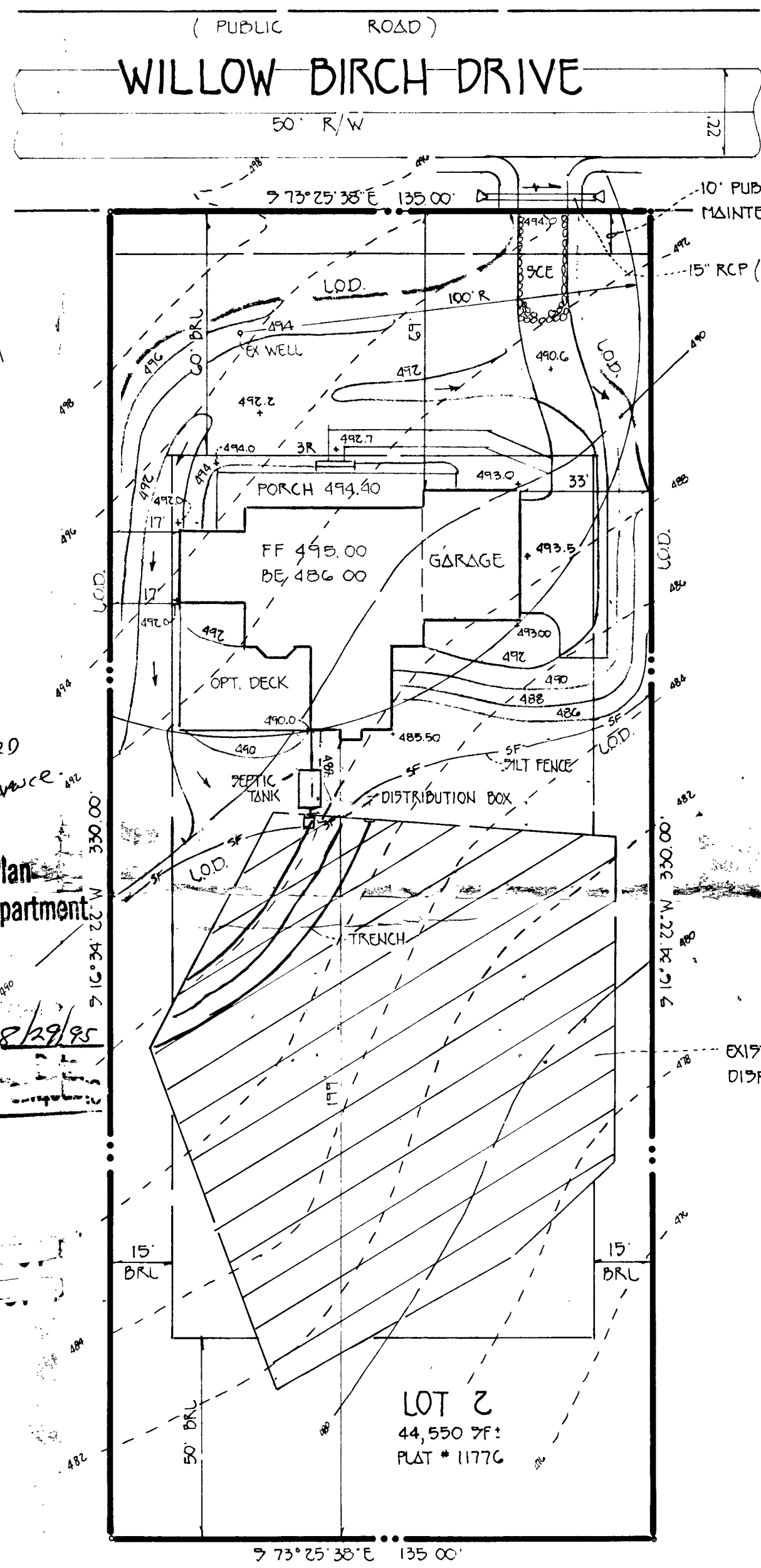
MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.)
OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH
ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.)
OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER,
USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL
EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

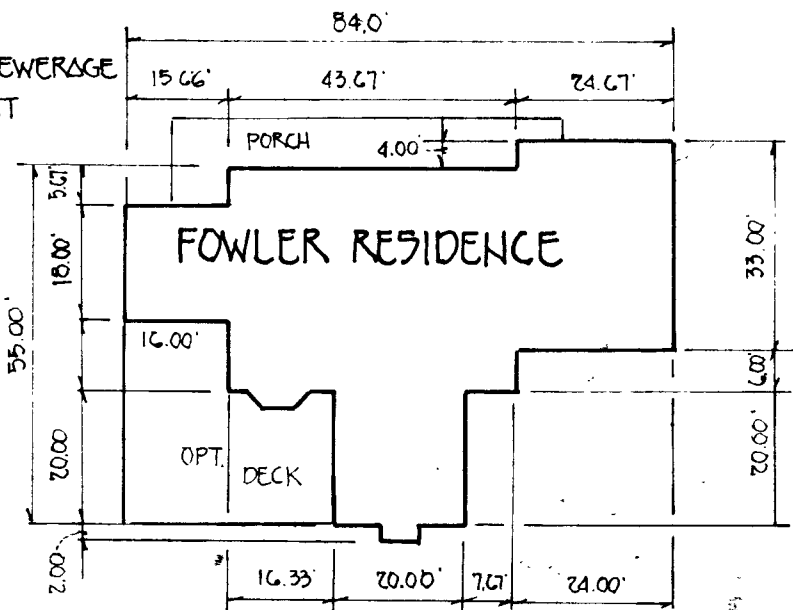
NOTE:
TOTAL LINEAR FT OF
TRENCH TO BE DETERMINED
AT BUILDING PERMIT ISSUANCE

Approved Septic System Plan
HOWARD County Health Department

Mark Rogers 8/29/95



- GENERAL NOTES
1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
 2. PROPOSED 1500 GALLON SEPTIC TANK.
 3. A. FIRST FLOOR ELEVATION: 495.00
B. BASEMENT ELEVATION: 486.00
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 484.90
D. INVERT IN AT SEPTIC TANK: 484.50
E. INVERT OUT AT SEPTIC TANK: 484.20
F. PROPOSED GRADE OVER SEPTIC TANK: 488.00
G. INVERT AT DISTRIBUTION BOX: 484.00
H. EXISTING GROUND OVER DISTRIBUTION BOX: 487.00
 4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
 5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.



PROPOSED TWO STORY,
FOUR BEDROOM DWELLING

PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
VINEYARDS AT
CATTAIL CREEK

LOT 2

TAX MAP 21
4TH ELECTION DIST.
SCALE: 1" = 30'

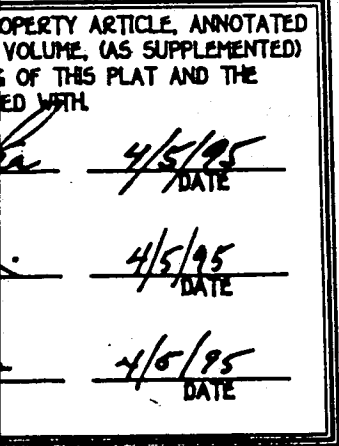
ZONED RC-DEO
HOWARD COUNTY, MARYLAND
DATE: AUGUST 8, 1995

PARCEL 2

C1 2800	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A50225B																																								
ST/CO USE ONLY DATE Received <div style="border: 1px solid black; width: 100px; height: 20px; margin-top: 5px;"></div>	DATE WELL COMPLETED <div style="border: 1px solid black; width: 100px; height: 20px; text-align: center; margin-top: 5px;">082295</div>	Depth of Well <div style="border: 1px solid black; width: 100px; height: 20px; text-align: center; margin-top: 5px;">100</div> <small>(TO NEAREST FOOT)</small>	PERMIT NO. FROM "PERMIT TO DRILL WELL" <div style="border: 1px solid black; width: 150px; height: 20px; text-align: center; margin-top: 5px;">H0-94-0643</div>																																								
OWNER MANNARELLI MARIO <small>last name first name</small> STREET OR RFD 3589 WILLOW BIRCH DR. TOWN GLENWOOD SUBDIVISION VINEYARDS AT CATTAL CREEK SECTION LOT 2																																											
WELL LOG <small>Not required for driven wells</small> STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"><thead><tr><th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th><th colspan="2">FEET</th><th rowspan="2">check if water bearing</th></tr><tr><th>FROM</th><th>TO</th></tr></thead><tbody><tr><td>Overburden</td><td>0</td><td>20</td><td rowspan="3" style="text-align: center; vertical-align: middle;">x</td></tr><tr><td>Soft Shale</td><td>20</td><td>57</td></tr><tr><td>Gray Rock</td><td>57</td><td>100</td></tr><tr><td colspan="4" style="padding-top: 20px;">water was encountered at 80'</td></tr></tbody></table>		DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing	FROM	TO	Overburden	0	20	x	Soft Shale	20	57	Gray Rock	57	100	water was encountered at 80'				GROUTING RECORD <div style="text-align: right; margin-bottom: 5px;"><input checked="" type="radio"/> YES <input type="radio"/> NO</div> WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT <input checked="" type="radio"/> CM BENTONITE CLAY <input checked="" type="radio"/> BC <small>45 46 45 46</small> NO. OF BAGS 14 NO. OF POUNDS 1400 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center;">0</div> ft. to <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center;">56</div> ft. <small>48 TOP 52 54 BOTTOM 58</small> (enter 0 if from surface) CASING RECORD <div style="text-align: center; margin-bottom: 10px;">casing types insert appropriate code below</div> <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; padding: 2px; text-align: center;">ST STEEL</div><div style="border: 1px solid black; padding: 2px; text-align: center;">CO CONCRETE</div></div> <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; padding: 2px; text-align: center;">PL PLASTIC</div><div style="border: 1px solid black; padding: 2px; text-align: center;">OT OTHER</div></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>MAIN CASING TYPE <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">PL</div><small>60 61</small></div><div>Nominal diameter top (main) casing (nearest inch) <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">6</div><small>63 64</small></div><div>Total depth of main casing (nearest foot) <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">60</div><small>66 70</small></div></div> <div style="margin-top: 10px;">OTHER CASING (if used) EACH CASING <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div></div><div style="display: flex; justify-content: space-around;"><div>diameter inch</div><div>depth (feet) from to</div></div></div> SCREEN RECORD screen type or open hole <div style="text-align: center; margin-bottom: 10px;">insert appropriate code below</div> <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; padding: 2px; text-align: center;">ST STEEL</div><div style="border: 1px solid black; padding: 2px; text-align: center;">BR BRASS BRONZE</div><div style="border: 1px solid black; padding: 2px; text-align: center;">HO OPEN HOLE</div></div> <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; padding: 2px; text-align: center;">PL PLASTIC</div><div style="border: 1px solid black; padding: 2px; text-align: center;">OT OTHER</div></div>																					
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water was encountered at 80'																																											
NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED <input checked="" type="radio"/> YES <input checked="" type="radio"/> NO CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. TYPE MWDMSD/MGD DRILLERS LIC. NO. 399 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. MWD009 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		C2 <div style="margin-top: 10px;">DEPTH (nearest ft.) <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td colspan="20">H060100</td></tr></table></div> <div style="margin-top: 10px;">SLOT SIZE 1 2 3 DIAMETER OF SCREEN <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;"> </div> (NEAREST INCH) <small>56 60</small></div> <div style="margin-top: 10px;">GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;"> </div></div> <div style="margin-top: 10px;">MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; width: 40px; height: 20px; text-align: center;">70</div><div style="border: 1px solid black; width: 40px; height: 20px; text-align: center;">72</div><div style="border: 1px solid black; width: 40px; height: 20px; text-align: center;">74 75 76</div></div><div style="display: flex; justify-content: space-around;"><div>TELESCOPE CASING</div><div>LOG INDICATOR</div><div>OTHER DATA</div></div></div>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	H060100																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																								
H060100																																											
PUMPING TEST <div style="margin-top: 10px;">HOURS PUMPED (nearest hour) <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">3</div></div> <div style="margin-top: 10px;">PUMPING RATE (gal. per min.) <div style="border: 1px solid black; width: 80px; height: 20px; text-align: center; margin-top: 5px;">120</div></div> <div style="margin-top: 10px;">METHOD USED TO MEASURE PUMPING RATE Submersible</div> <div style="margin-top: 10px;">WATER LEVEL (distance from land surface) <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">40</div> ft.</div> <div style="margin-top: 10px;">BEFORE PUMPING <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">40</div> ft.</div> <div style="margin-top: 10px;">WHEN PUMPING <div style="border: 1px solid black; width: 40px; height: 20px; text-align: center; margin-top: 5px;">61</div> ft.</div> <div style="margin-top: 10px;">TYPE OF PUMP USED (for test) <div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; padding: 2px; text-align: center;">A air</div><div style="border: 1px solid black; padding: 2px; text-align: center;">P piston</div><div style="border: 1px solid black; padding: 2px; text-align: center;">T turbine</div></div><div style="display: flex; justify-content: space-around;"><div style="border: 1px solid black; padding: 2px; text-align: center;">C centrifugal</div><div style="border: 1px solid black; padding: 2px; text-align: center;">R rotary</div><div style="border: 1px solid black; padding: 2px; text-align: center;">O other (describe below)</div></div><div style="border: 1px solid black; padding: 2px; text-align: center; margin-top: 5px;">S submersible</div></div>																																											

B 1 1702 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-94-0643 <small>fill in this form completely</small>
OWNER INFORMATION Date Received (APA) <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> 15 Last Name: Mario Owner: Mario First Name: Mario 2929 Summit Circle 57 70 State 72 76 Zip: 21043 </div>		B 3 LOCATION OF WELL 8 COUNTY: Howard 23 SUBDIVISION: Village at Capital SECTION: LOT: 2 52 NEAREST TOWN: Greenwood MILES FROM TOWN (enter 0 if in town) 2 MI	
DRILLER INFORMATION Driller's Name: Paul M. Fabiszak Firm Name: E. Edgar Harr Sons' Corp. Address: 12047 Falls Rd Cockeysville 21030 Signature: <i>[Signature]</i> Date: 7/12/95		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750		NEAR WHAT ROAD 3589 Willow Birch Dr ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 50 37 DISTANCE FROM ROAD ENTER FT OR MI FT TAX MAP: 21 BLK: 2	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A50225 B COUNTY NAME COUNTY NO. STATE SIGNATURE [Signature] INSERT S DATE ISSUED 080193 C. Well 7/31/96 43 NORTH GRID: 523000 48 CO SIGNATURE [Signature] EXP. DATE 7/31/96 50 EAST GRID: 0787000 55	
APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6 INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> E 780 N 520 </div>	
METHOD OF DRILLING (circle one) BORED (or Augered) <input type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN <input type="checkbox"/> 30 AIR-ROTARY <input type="checkbox"/> AIR-PERCUSSION <input checked="" type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> 37 CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/> other 		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEAN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEANED (IF AVAILABLE) 		Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER GAP FORCE CW WRITE INITIALS IN BOX PERMIT No. 40-94-0643 67 68 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			

E 706900



F-95-139

17. THIS
PLANN.

APPLICATION

PERCOLATION TESTING

A 50225HN

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Mario Mannarelli

ADDRESS C/O Land Design + Development
12805 Hichor Ridge Rd PHONE 740-2100

AGENT OR PROSPECTIVE BUYER Danu Reich

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. 292

ROAD AND DESCRIPTION Route 97

TAX MAP 21 PARCEL # 2,132,220 + 211

SIZE OF LOT 1 + acres TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Myal Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # Vineyards at CC SP-96-11 DATE 2/28/96

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # F-95-139 DATE _____

THIS IS NOT A PERMIT

(No-A#)
 AS0225HH
 COUNTY #
 LOT # 29
 SOIL PROFILE
 HOLE ①

0-5 1/2'
 clay
 5 1/2'
 ↓
 LOAM
 ↓
 DRY
 11'

HOLE ②

0'-4'-9"
 clay
 4'-9"

LOAM

10'

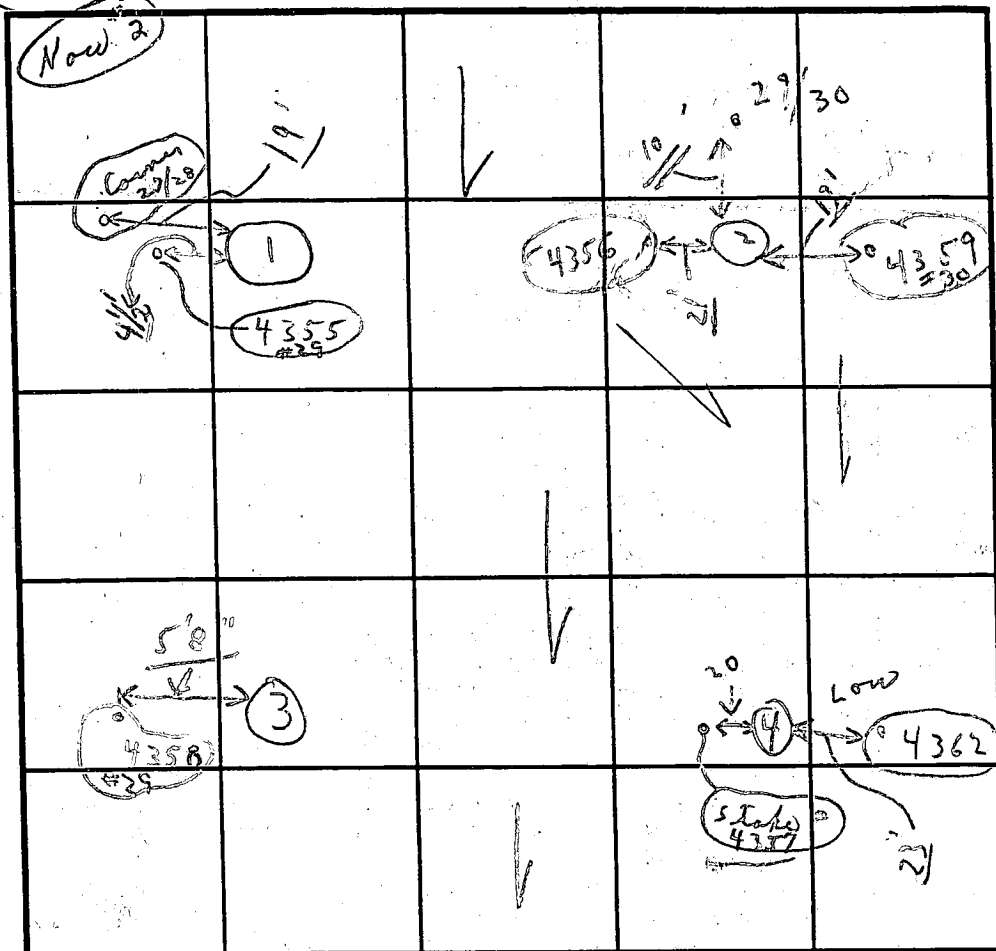
HOLE ③

0'-5'
 clay
 5'
 ↓
 LOAM

↓
 11'

Then LOT 31

Now 2



SOIL PROFILE
 HOLE ④
 0'-4'-10"
 clay
 4'-10"
 LOAM
 ↓
 DRY
 11'

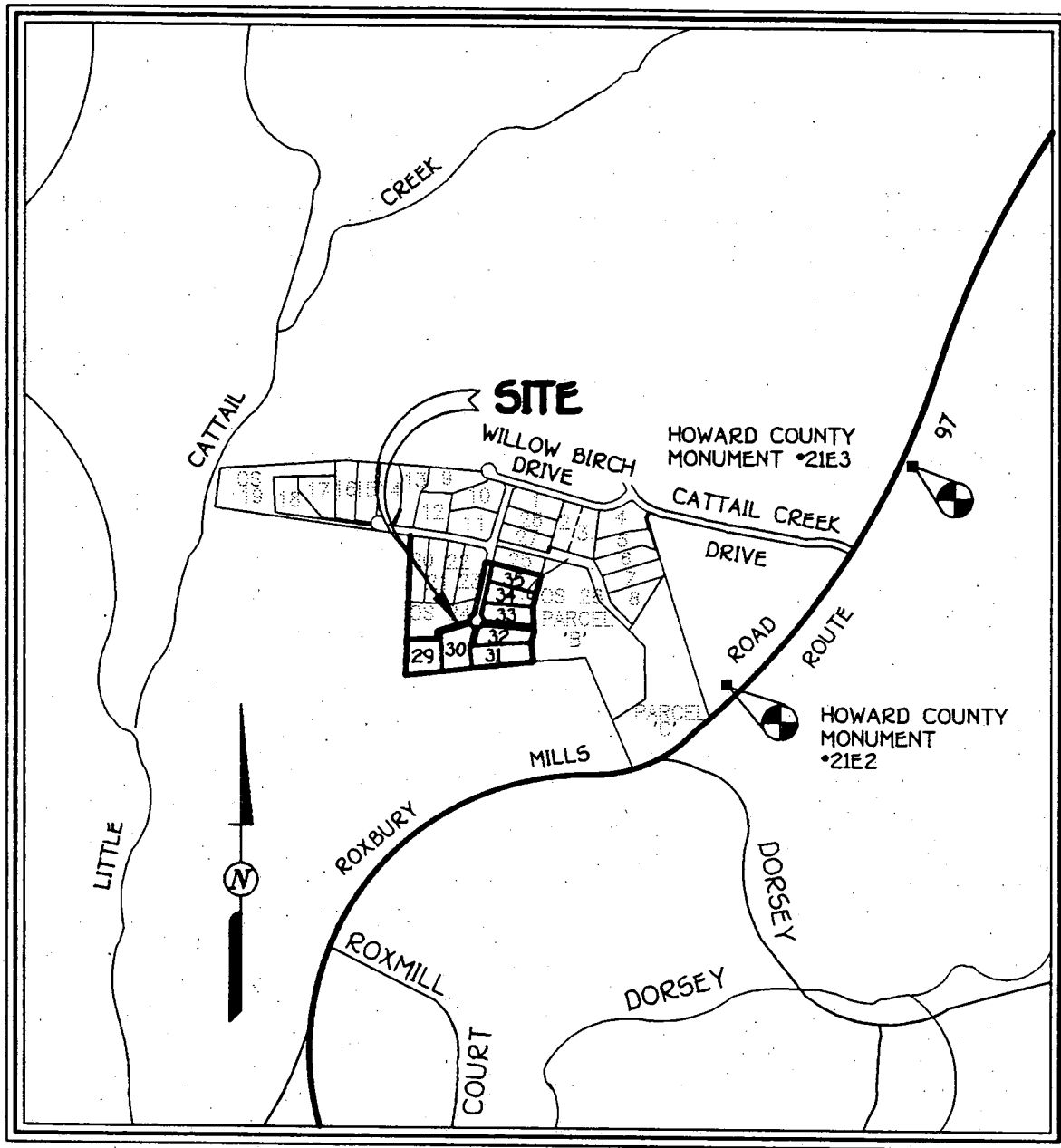
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/29/94	4355 ①	5 1/2'	10:35	10:40	10:40	10:46	6m
	LOT 29	11'		DRY	LOAM		
	③	5'	10:39	10:41	10:41	10:47	6
	4358	11'		DRY	LOAM		
	②	4' 9"	10:50	10:54	10:54	11:04	10
	4359	10'					
	④	4'-10"	10:44	10:54	10:54	11:05	11 min
	4357 4362	11'					

REMARKS Tests in open; tests near stakes
 TYPE OF SOIL LOAM
 TESTED BY C.R.
 ALSO PRESENT 3 cases M Res
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH
 INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

GENERAL

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g) Mail
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17. Distan
18. Waiver
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Report
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j. T



VICINITY MAP

SCALE: 1" = 1200'

A 50225 HH

SUBDIVISION: Vinyards at Cattail Creek LOT NUMBER 2

STREET NAME: Willow Birch Drive

AVERAGE PERCOLATION RATE: _____ SQUARE FEET PER BEDROOM: _____

NUMBER OF BEDROOMS: _____ LINEAR FEET OF TRENCH PER BEDROOM: _____

TOTAL LINEAR FEET OF TRENCH: _____

SEPTIC TANK CAPACITY: _____ GALLONS

TRENCH DIMENSIONS

Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.

PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL

_____ Gallon pump chamber: top seamed center seamed

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system

LOCATION: _____

ADDITIONAL NOTES: _____

Reviewer: _____ Date: _____

CATTAIL CREEK COUNTRY CLUB
SECTION 2
PLAT No. 11050
RC-DEC

P.6
325'
5' BUFFER

50' R/W
No. 10506)

BIRCH
ROAD

DRIVE

PARCEL "B"

CATTAIL
CREEK

581°18'50"E
37.32'

1718

1719

(EX 50' R/W)
(PLAT No. 10505)

DRIVE

ENLARGEMENT
SEE THIS
DRAWING

LOT 1 FARMWAY
BY HIS GRACE
PLAT No. 10674
3.36 AC.
RC-DEC

SCOT FOR SCALED OWN
SECTION FOR LAMINUM
0 CMV & 'G' 5

TYPE 4.00 BUFFER
OF

